

Utah Division of Solid and Hazardous Waste



Recycling Coalition of Utah

Quarterly Meeting

St. George, Utah

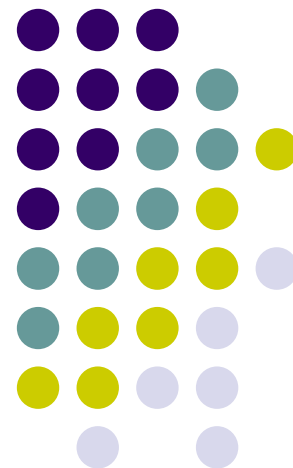
March 14, 2008

Rusty Lundberg

Division of Solid and Hazardous Waste

801-538-6765

rlundberg@utah.gov



DEQ Home Web Page (top)

DEQ.utah.gov - The Official website of the Utah Department of Environmental Quality - Microsoft Internet Explorer

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Address http://www.deq.utah.gov/

Google Custom Search Search

utah.gov Online Services Agency List Business

DEQutah.gov

Utah Department of Environmental Quality

DEQ Home

- About DEQ
- Contact DEQ
- Divisions
- Offices
- Business Assistance
- Environmental Maps
- Financial Assistance
- Laws & Rules
- Listservs
- Newsroom
- Online Permitting
- Public Participation
- Records Request
- References
- Report on the Environment
- Search DEQ

Air


- Air Quality Homepage
- Choose Clean Air
- Radon
- Trends & Results

Land

- Environmental Response & Remediation Homepage
- Radiation Control Homepage
- Solid & Hazardous Waste Homepage
- Trends & Results

Water

- Drinking Water Homepage
- Water Quality Homepage
- Fish Advisories
- Trends & Results



DEQ's mission is to safeguard public health and our quality of life by protecting and enhancing the environment. We implement State and Federal environmental laws and work with individuals, community groups, and businesses to protect the quality of our air, land and water.

Your interest and involvement can make a difference. We hope this web site provides you with easy access to information as we continue our partnership to enhance Utah's environment.

Rick Sprott
Executive Director

Climate Change

Utah's Report on the Environment

Utah's report on t

Current Air Quality

Report Pollution

Power Forward

Put Used Oil In Its Place!

Green Choices

CLEAN UTAH

What's New

- NEW** [Utah Prepared to Meet Tougher Federal Ozone Rules](#)
- NEW** [Proper Medication Disposal Programs](#)
- [Utahns Given Opportunity to Comment on Nevada Power Plant](#)
- [Utah Government and Firms Address Climate Change](#)
- [State of Utah Comments on DSEIS for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste at Yucca Mountain](#)
- [Utah Report on the Environment 2007](#)
- [Events in January to Recognize National Radon Action Month](#)
- [Kids Choice Awards: State Radon Poster Contest](#)
- [More](#)

Issues to Watch

What You Can Do

- [Choose Clean Air](#)
- [Conserve Energy](#)
- [Get Involved: Comment on Actions | Attend Public Meetings](#)
- [Get the Mercury Out! | Mercury Information | Mercury and CFLs](#)
- [Make "Green Choices"](#)
- [Prevent Pollution at Home, School, Work and Play](#)
- [Recycling: Statewide Recycling Guide | Salt Lake Valley Recycling Guide | Electronics | Used Oil](#)
- [Sign up for Environmental e-mail alerts \(Listservs\)](#)
- [Stay Informed: Fish Consumption Advisories | Waterfowl Consumption Advisories](#)
- [More](#)

Business Resources

http://www.deq.utah.gov/envrpt/index.htm

Internet

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Search DEQ

- Utah Report on the Environment 2007
- Events in January to Recognize National Radon Action Month
- Kids Choice Awards: State Radon Poster Contest
- More

Issues to Watch

- Bingham - Magna Ditch Soils Investigation
- Climate Change
- Ensign-Bickford Company Soil Cleanup
- Great Salt Lake Water Quality Steering Committee
- Gunnison Top Stop Gasoline Spill
- Mercury Work Group
- Opposition to High-Level Nuclear Waste
- Salt Lake City Vermiculite Sites
- South West Jordan Valley Groundwater Cleanup Project
- More

Recycling: Statewide Recycling Guide | Salt Lake Valley Recycling Guide | Electronics | Used Oil

- Sign up for Environmental e-mail alerts (Listservs)
- Stay Informed: Fish Consumption Advisories | Waterfowl Consumption Advisories
- More

Business Resources

- Business Assistance
- Clean Utah
- Pollution Prevention Association

Sector Strategies:


- Auto Recyclers Best Management Practices
- Chemical Cleanout Toolkit for Utah Schools
- Construction Best Management Practices
- Healthy Hospitals Initiative
- Proper Medication Disposal
- Utah Mountain Resorts Environmental Guide
- Where Life and Landscape Connect

Report Pollution

POWER FORWARD **Put Used Oil in Its Place!** **Green Choices CLEAN UTAH**

You are here: [Home](#) > DEQ Home

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Utah Department of
Environmental Quality

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Division of Solid & Hazardous Waste

Division of Solid and Hazardous Waste

NEWS:

- NEW 2007 Annual Used Oil Handler Reports** and Reclamation Surety/Cost Estimate Update for Permitted Used Oil Facilities.
 - [2007 Transporter and Transfer Facilities Annual Report Form](#)
 - [2007 Off-Specification Annual Report Form](#)
 - [2007 Used Oil Processors and Re-Refiners Annual Report Form](#)
- NEW Find** a used oil [collection facility](#) near you.
- [Evaluation of Closure, Post-Closure, and Perpetual Care and Maintenance for Commercial Hazardous Waste and Commercial Radioactive Waste Treatment, Storage, and Disposal Facilities](#)
- [Information on new manifest requirements beginning on September 5, 2006.](#)
- [Perchlorate Fact Sheet](#)
- Overview of [State Electronic Waste Recycling Program](#), given to the Natural Resources, Agriculture, and Environment Interim Committee on October 18, 2006.
- ENVIROLINKS** Will take you to EPA Enviromapper. You can search your county for facilities that have notified for hazardous waste management activities, superfund sites, air emissions, etc. If you use the "[zoom in by geography](#)" at the bottom of the map you can then even put in your zip code. You can also click on "[Envirofacts](#)" on the top of the Enviromapper page to find specific information on the facilities.
- Link to [EPA's Enforcement and Compliance History Online \(ECHO\)](#) Web site. ECHO is an online searchable database provided by EPA for the public. The database provides a 3-year overview of general enforcement and compliance information for facilities subject to hazardous waste regulation as well as other national environmental programs. [Click here](#) for more specific explanatory information about EPA's ECHO Web site. For questions, please contact Rusty Lundberg at rlundberg@utah.gov or 801-538-6765.
- [2003 Hazardous Waste Generation and Management Report](#)
- [2005 Hazardous Waste Generation and Management Report](#)

Search DEQ.Utah.Gov

Public Viewing Area:

- [Public Comment](#)
- [Proposed SW Rules](#)
- [Proposed HW Rules](#)
- [Proposed UO Rules](#)
- [Control Board](#)
- [Biennial Report](#)

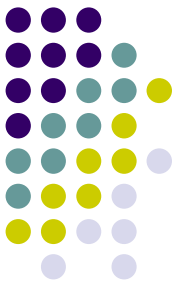
Solid and Hazardous Waste:

- [Household Waste](#)
- [Solid Waste](#)
- [General Information](#)
- [Pollution Prevention](#)

Used Oil Program:

- [DIY Collection Facilities](#)
- [Used Oil Facilities](#)
- [Used Oil Generators](#)

Internet



DEQ – What do or can we do?

Recycling Programs / Activities

- Used Oil  **Put Used Oil
in Its Place!**

- Waste Tires



- PSI Pilot Project



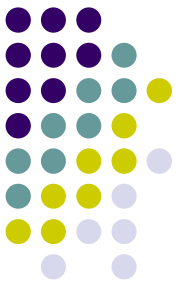
- Composting



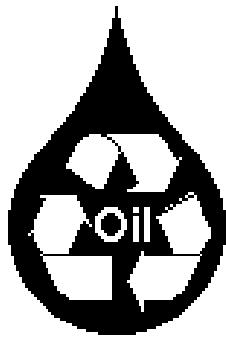
- E-waste



- Others

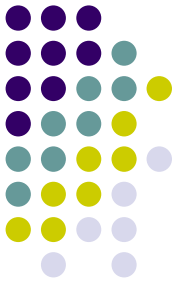


Used Oil Recycling

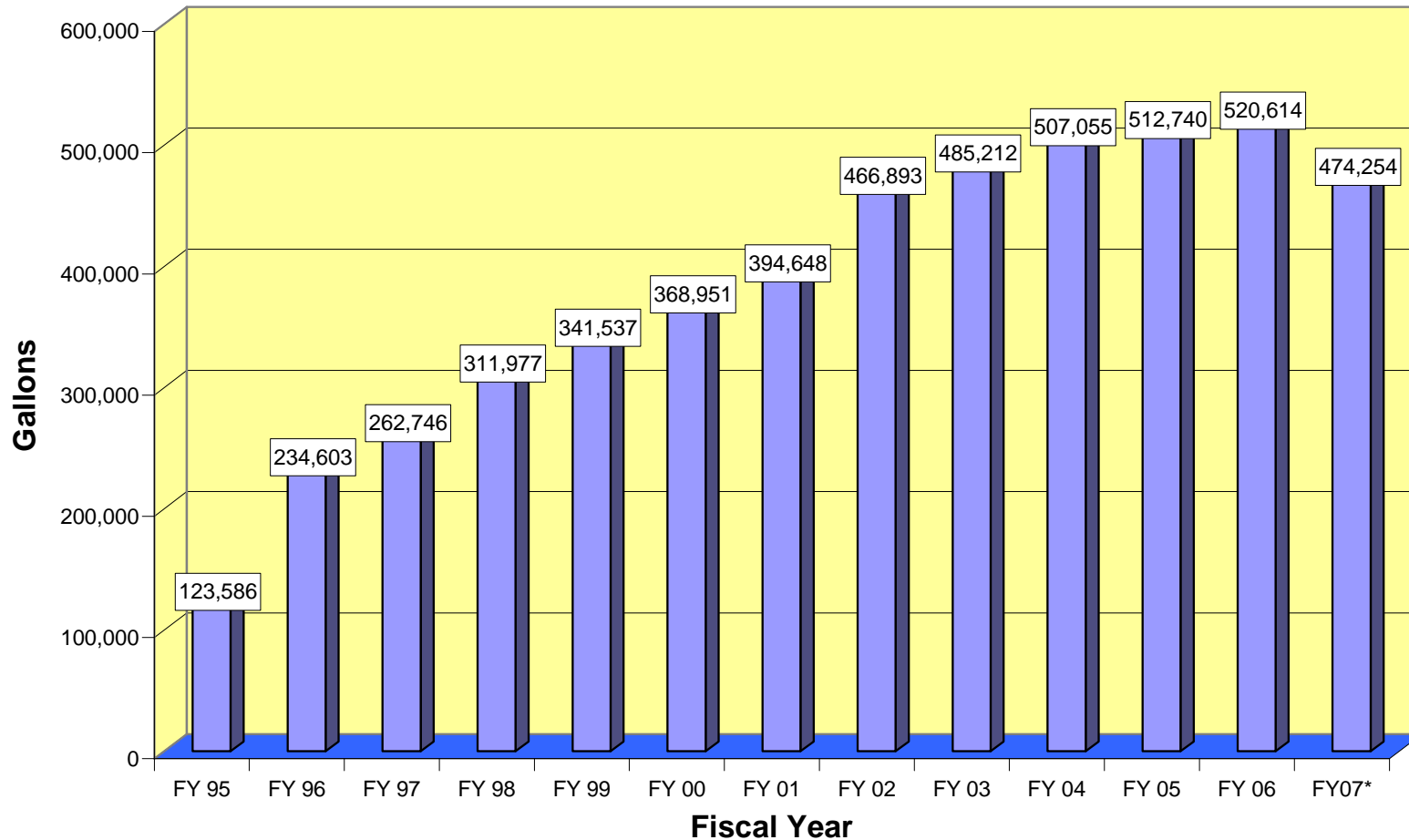


Put Used Oil
in Its Place!

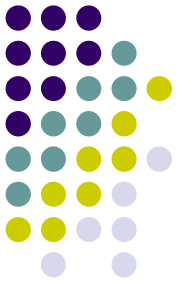
Used Oil Recycling -- DIYer



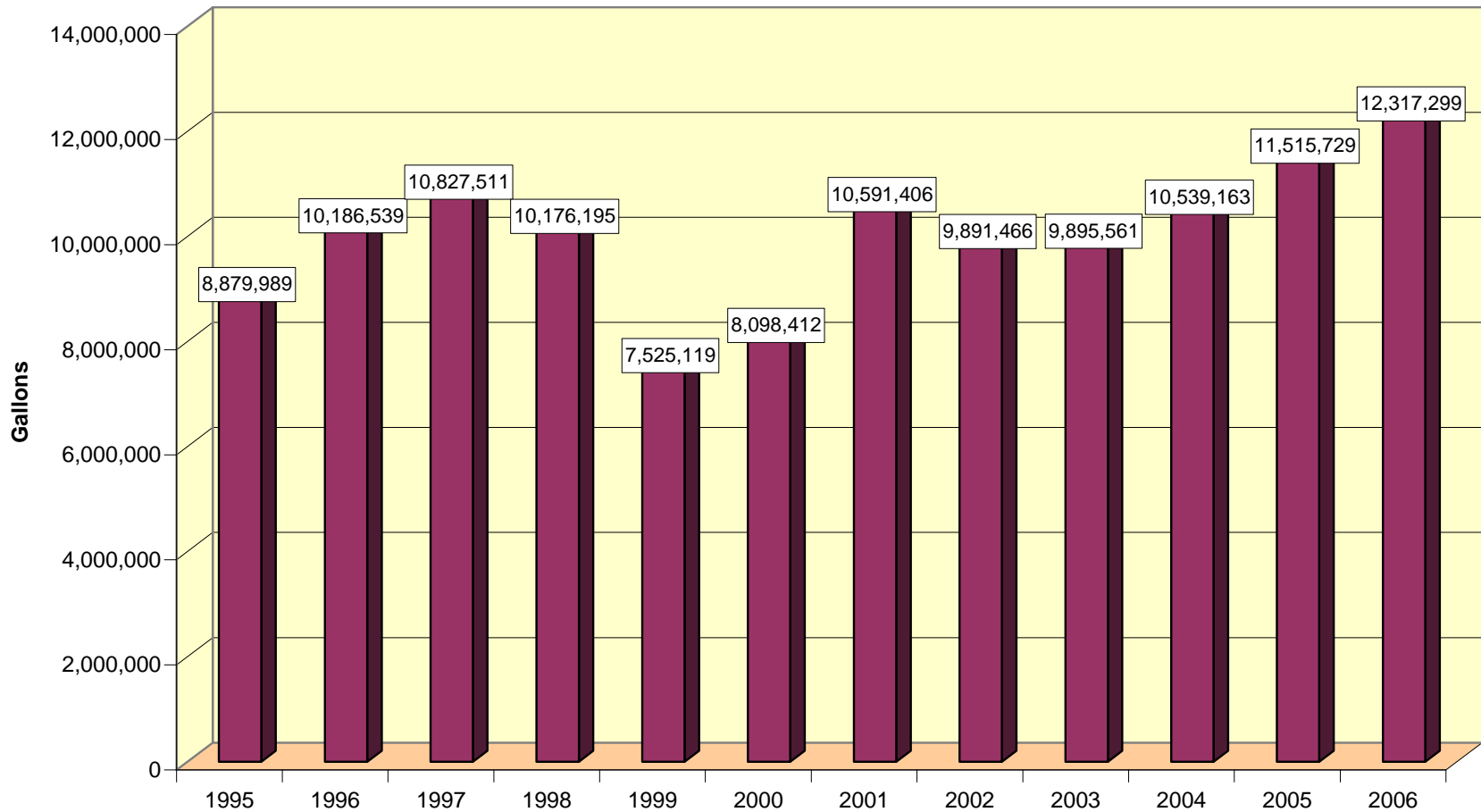
Utah DIYer Used Oil Collection



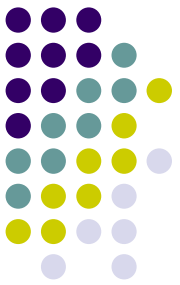
Used Oil Recycling



Total Utah Collected Used Oil
(Includes DIYer Used Oil)



Used Oil Recycling



Used Oil Section - Microsoft Internet Explorer

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Address <http://www.usedoil.utah.gov/UsedOilSection.htm>

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Utah Department of Environmental Quality


Division of
Solid & Hazardous Waste

Used Oil Section:


Welcome to the Utah DEQ's Used Oil Program home page.

Our Mission: Protect the public and the environment from exposure to contamination caused by the improper treatment, storage and disposal of used oil.

Our Goals: The Division's goals are to eliminate, or reduce, the obstacles to proper collection and disposal of do-it-yourselfer (DIYer) used oil, (i.e., used oil generated through household activities, including maintenance of personal vehicles) through a broad and extensive public education program, and by making used oil collection centers more accessible, and to maintain pertinent standards and regulations that apply to oil handlers including generators, transporters, processors, re-refiners, burners, and marketers.



Watch the Used Oil Commercials

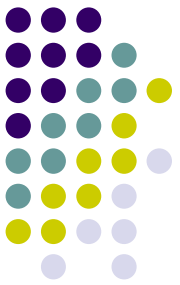


Places to visit in the Used Oil Section:

Utah's Used Oil Program	What is Used Oil?
Where does Used Oil Come From?	When is Used Oil regulated as a Hazardous Waste?
Used Oil Specifications	Why have a Used Oil Program?
Program Funding and Priorities	Used Oil Grants
Permitted Used Oil Facilities	Used Oil Collection Centers
Used Oil Generators	Used Oil Statistics

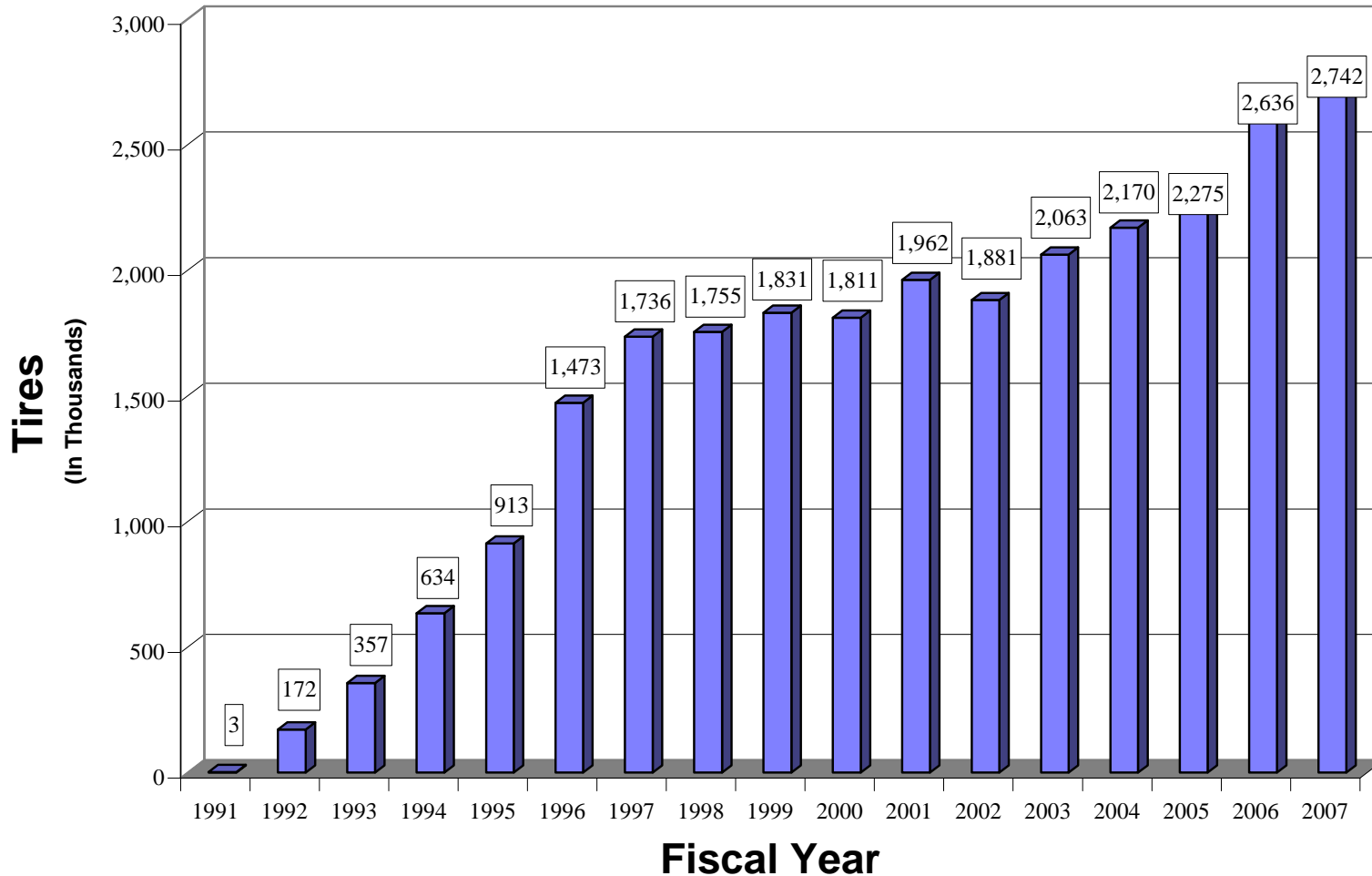
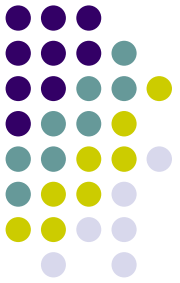
Done Internet

Waste Tire Recycling



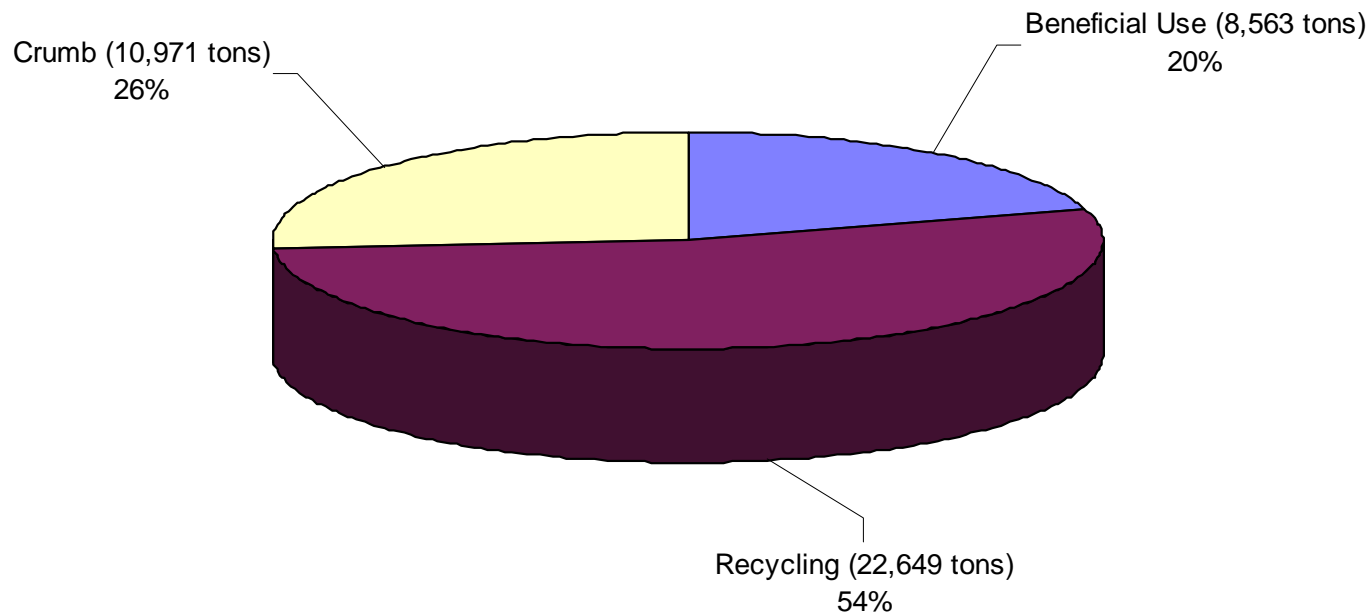
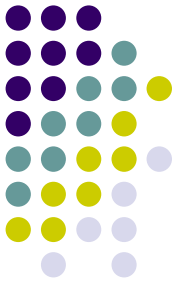
Waste Tire Recycling

Waste Tire Recycling 1991 - 2007



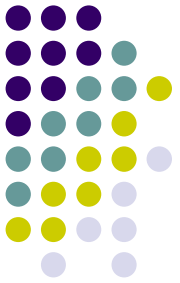
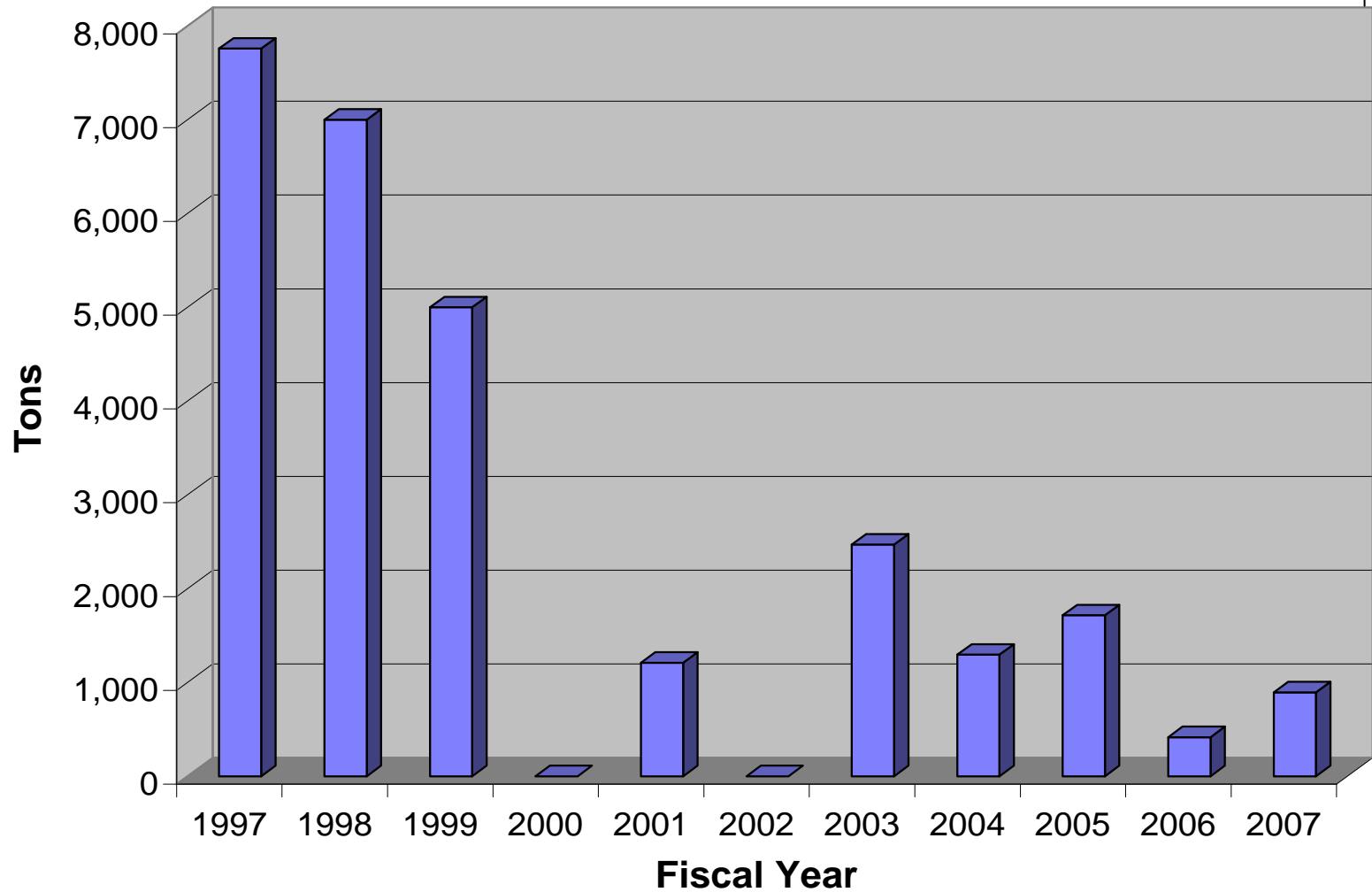
Waste Tire Recycling

FY 2007 Waste Tire Recycling by Category

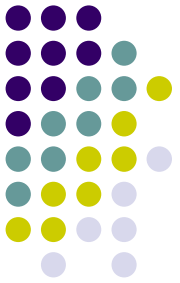


Waste Tire Recycling

Waste Tire Pile Cleanups 1997 - 2007



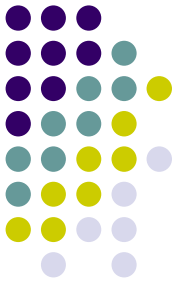
Product Stewardship Institute (PSI)

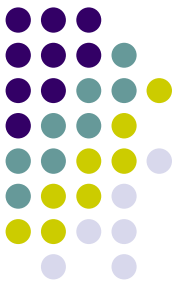


Grant from EPA Region 8 (Denver, CO)

- Pilot Project – Retail Collection
 - CO, MT, SD, UT
 - Collection of fluorescent lights (CFLs) and Mercury thermostats
 - *UTAH – Ace Hardware Stores (6)*

Composting

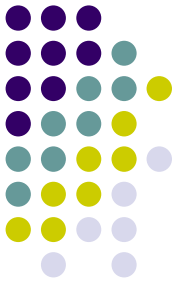




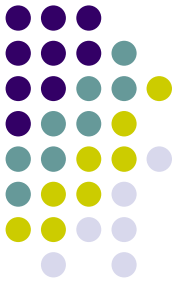
COMPOST FACILITIES

<u>Year</u>	<u>Compost Facilities</u>	<u>Waste Received</u>
1994	7	29,000
1996	14	13,763
1998	15	60,118
2000	17	102,209
2002	25	128,784
2004	23	183,547
2005	20	186,817
2006	21	139,313

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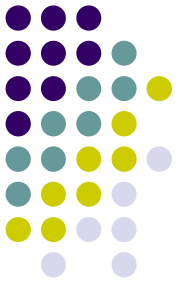


Recycled Tons Reported

**In 2006 Recycling Reported from Landfills,
Transfer Stations, and Recycling Facilities
totaled 263,071 Tons**

**Not Reported in this Total are Tons Recycled by
Private Recycling Companies**

Recycling & Composting Standards

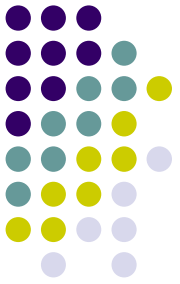


Utah Administrative Code, R315-312



Any facility that is composting solid waste on the land

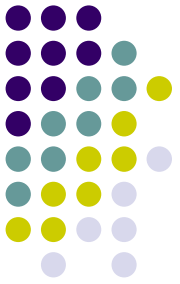
Approval and Reporting Requirements



Submit plan of operation to Executive Secretary

Annual certification to Executive Secretary that plan of operation has been followed

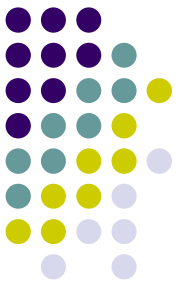
Obtain financial assurance as required by Executive Secretary



Compost Facility Siting Requirements

No compost facility sited:

- In a wetland
- In a watercourse
- In a floodplain
- Within 500 feet of a residence



Operation Plan Details

Each compost facility must develop, keep on file and abide by a plan that addresses:

- Methods of handling input material
- Details of temperature monitoring details
- Compost “recipe”
- Windrow plan
- Aeration frequency and equipment details
- Anticipated product use



Operational Standards

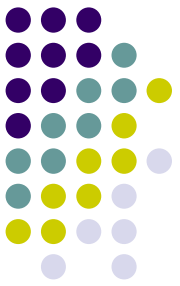
Maintain records of material processed and temperature data

Process material within 2 years

Dispose of all non processed material properly

Maintain temperature between 104 & 149 degrees F for no less than 5 days

Operational Standards (continued)

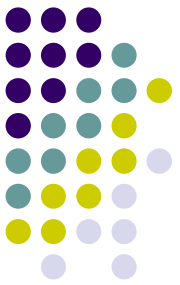


Have procedures to exclude hazardous waste

Composting of sludge or septage must:

- Be conducted on a pad to prevent leachate from contaminating soil or water
- Contain run-off
- Collect leachate

Compost must be stable and free of sharp objects



Facility Closure Requirements

Remove all compost

Drain and clean leachate collection system

Make title recording

Post-Closure Care

Monitor site for five years

E-waste



Support for collection events

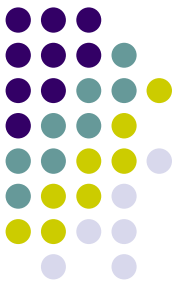
Help publicize collection events

Monitor state legislative activity

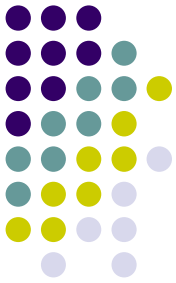
OTHER ITEMS

Pharmaceuticals

Used batteries



A screenshot of the RBRC (Rechargeable Battery Recycling Corporation) website. The header features the RBRC logo on the left and the "call2recycle" logo on the right, with the tagline "A Rechargeable Battery Recycling Corporation program". Below the header is a navigation bar with links: "Consumers", "OEMs & Licensees", "Retailers", "Communities & Public Agencies", "Businesses", and "Teachers' Resources". A search bar is located on the left side of the navigation bar. The main content area has a green sidebar on the left with links: "Home", "Find a Drop Off Site Near You", "RBRC Corporate Profile", "News Room", "EPA Battery Alert", "Français", "Español", "中文", "Contact Us", and "Board of Directors". The main content area features a large heading "Recycle! Your rechargeable batteries and cell phones" and a paragraph explaining the program. To the right of the paragraph is a photo of Richard Karn, RBRC spokesperson, with a caption. Below the main content area is a footer with several small promotional boxes, including one for "Salt Lake City" which is circled in red and has a red arrow pointing to it. The footer also contains a copyright notice for 2006.



Welcome, Salt Lake City!

Thanks for answering the call to recycle! Please visit any of these retailers in your area to recycle your used rechargeable batteries.

BatteriesPlus. 



Office DEPOT

 RadioShack.



Sears



To find more locations near you, click [here](#).

Department of Environmental Quality



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